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**FILE**ID**ERLLOGSTS





EEEEEEEEEE  RRRRRRRR    LL          LL            OOOOOO      GGGGGGGG    SSSSSSSS  TTTTTTTTTT    SSSSSSSS
EEEEEEEEEE  RRRRRRRR    LL          LL            OOOOOO      GGGGGGGG    SSSSSSSS  TTTTTTTTTT    SSSSSSSS
EE          RR      RR  LL          LL          OO      OO  GG          SS              TT      SS
EE          RR      RR  LL          LL          OO      OO  GG          SS              TT      SS
EE          RR      RR  LL          LL          OO      OO  GG          SS              TT      SS
EE          RR      RR  LL          LL          OO      OO  GG          SS              TT      SS
EEEEEEEE    RRRRRRRR    LL          LL          OO      OO  GG            SSSSSS        TT        SSSSSS
EEEEEEEE    RRRRRRRR    LL          LL          OO      OO  GG            SSSSSS        TT        SSSSSS
EE          RR  RR      LL          LL          OO      OO  GG  GGGGGG          SS      TT              SS
EE          RR  RR      LL          LL          OO      OO  GG  GGGGGG          SS      TT              SS
EE          RR    RR    LL          LL          OO      OO  GG      GG          SS      TT              SS   ....
EE          RR    RR    LL          LL          OO      OO  GG      GG          SS      TT              SS   ....
EEEEEEEEEE  RR      RR  LLLLLLLLLL  LLLLLLLLLL    OOOOOO      GGGGGG    SSSSSSSS        TT      SSSSSSSS     ....
EEEEEEEEEE  RR      RR  LLLLLLLLLL  LLLLLLLLLL    OOOOOO      GGGGGG    SSSSSSSS        TT      SSSSSSSS     ....


LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
LL              II        SSSSSS
LL              II              SS
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LL              II              SS
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
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C
C Version:       'V04-000'
C
C****************************************************************************
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C*                                                                          *
C****************************************************************************
C

c       Author  Brian Porter                    Creation date   07-FEB-1982

c++
c       Functional description
c
c       This module provides dispatching for entries logged by erl$logstatus.
c
c       Modified by:
c
c       V03-010 EAD184          Elliott A. Drayton        6-Jul-1984
c               Add page break to begin intervening entry reports.
c
C       V03-009 SAR270          Sharon A. Reynolds       18-Jun-1984
C               - Added TMSCP support.
C
C       V03-008 SAR0259         Sharon A. Reynolds       26-Apr-1984
C               - TU81 partial entry fix.
C
C       V03-007 SAR0222         Sharon A. Reynolds,      28-Mar-1984
C               Changed the call to UCB$L_OWNUIC to ORB$L_OWNER.
C
C       V03-006 SAR0195         Sharon A. Reynolds,      20-Feb-1984
C               Added an SYE update that:
C               - Added code to interrogate the 'mscp command reference''
C               numbers. If zero output the entry immediately.
C               - Fixed a bug in the output of the mscp entries when the
C               error log mailbox is selected as for output.
C
C       V03-005 SAR0133         Sharon A.Reynolds,       9-Sep-1983
C               Added fixes that were made to SYE (erllogsts) that
```

```
C               removed the mscp 'first part' info message and fixed
C               bug relating to summary reports.
C
C     V03-004 SAR0074           Sharon A. Reynolds,     20-Jun-1983
C               Changed the carriage control in the 'format' statements
C               for use with ERF.
C
C     V03-003 SAR0026           Sharon A. Reynolds,     16-May-1983
C               Made SYECOM available and added code to check for eof
C               flag and call 'dudriver_mscp_dq'. Also changed name of
C               'reccnt' input parameter due to conflict with SYECOM
C               reccnt.
C
c     v03-002 BP0001            Brian Porter,           21-OCT-1982
c               Added ra60.
c
c     v03-001 BP0001            Brian Porter,           18-APR-1982
c               Added brief.
c--
c**

      Subroutine ERL$LOGSTATUS_DISPATCHER (lun,record_length,record_number,
      1 option)


      include 'src$:msghdr.for /nolist'
      include 'src$:embspdef.for /nolist'
      Include 'src$:syecom.for /nolist'


      byte              lun
      integer*4         record_length
      integer*4         record_number
      character*1       option

      byte              mount_flag_and_label_array(16)

      integer*4         volume_mount_flag
      integer*4         current_volume_label

      equivalence       (mount_flag_and_label_array(1),volume_mount_flag)
      equivalence       (mount_flag_and_label_array(5),current_volume_label)


C
C     Determine if the entire file has been processed, if so, call
C     a routine that will de-queue and output the remainder of the
C     disk and tape MSCP messages and return to the calling routine.
C
      If (EOF_FLAG) then
        Call DISK_TAPE_DRIVERS_MSCP_DQ (lstlun,options)      ! DU and TU drivers
        Return
      Endif

      if (options .eq. 'B') then

      Call HEADER (lstlun)
```

```
        Call LOGGER (lstlun,'ERL$LOGSTATUS ENTRY')
        Call DHEAD2 (lstlun,'I/O',emb$b_sp_namlng,emb$t_sp_name,emb$w_sp_unit)
        endif

        if (emb$b_sp_class .eq. 128) then

        if (options .eq. 'S') then

        Call PUDRIVER_MSCP_DISPATCHER (lstlun,options,record_number)
        endif

        else if (
        1 emb$b_sp_class .eq. 1                 ! Disk messages
        1 .OR.
        1 emb$b_sp_class .EQ. 2                 ! Tape messages
        1 ) then

        if (options .eq. 'S') then

C
C Determine if output is directed to the report generator mailbox or if the
C command reference number is equal to 0 (invalid cmd?). If so, output the
C entry immediately.
C
        If (
        1 mailbox_channel .NE. 0
        1 .OR.
        1 emb$l_sp_cmdref .EQ. 0
        1 ) then

        Call INTERVENE_DECREMENT (lstlun)

        Volume_mount_flag = -1
        Call GET_CURRENT_LABEL (3,emb$l_hd_sid,emb$b_sp_namlng,emb$t_sp_name,
        1 emb$w_sp_unit,%REF(current_volume_label),*5)

        Volume_mount_flag = %LOC(current_volume_label)
5       Continue

        Call DISK_TAPE_DRVR_MSCP_DISPATCHER (lstlun,options,record_number,
        1 mount_flag_and_label_array,record_length,(1))

        Else
C
C The command is valid and output is not going to the mailbox, save the
C entry so that it can be output together with the device hardware status
C packet that is logged seperately.
C
        Call DISK_TAPE_DRIVERS_MSCP_Q (record_length,record_number,
        1 emb$l_sp_cmdref)

        Endif
        Endif

C
C Unknown device type, call a routine that will call applicable
C routines that will decode/output the entry. As new device types
```

```
0469    C are defined the IF-THEN-ELSE should be expanded at this point to
0470    C support them.
0471    C
0472            else
0473            Call ERLLOGSTS (lstlun)
0474            endif
0475
0476            return
0477            end


PROGRAM SECTIONS

    Name                                  Bytes   Attributes

  0 $CODE                                   248   PIC CON REL LCL   SHR   EXE   RD NOWRT LONG
  1 $PDATA                                   28   PIC CON REL LCL   SHR NOEXE   RD NOWRT LONG
  2 $LOCAL                                  200   PIC CON REL LCL NOSHR NOEXE   RD   WRT LONG
  3 EMB                                     512   PIC OVR REL GBL   SHR NOEXE   RD   WRT LONG
  4 SYECOM                                   44   PIC OVR REL GBL   SHR NOEXE   RD   WRT LONG

    Total Space Allocated                  1032

ENTRY POINTS

    Address  Type  Name

  0-00000000       ERL$LOGSTATUS_DISPATCHER

VARIABLES

    Address  Type  Name                                   Address  Type  Name

  4-00000012  L*1  CP_11750                             4-00000011  L*1  CP_11780
  4-00000013  L*1  CP_117ZZ                             4-00000014  L*4  CRYPTK_FLAG
  2-00000004  I*4  CURRENT_VOLUME_LABEL                 4-0000000D  I*4  DEV_CHAR
  3-00000010  L*1  EMB$B_SP_CLASS                       3-00000040  L*1  EMB$B_SP_NAMLNG
  3-00000011  L*1  EMB$B_SP_TYPE                        3-00000000  I*4  EMB$L_HD_SID
  3-00000014  I*4  EMB$L_SP_BCNT                        3-00000038  I*4  EMB$L_SP_CHAR
  3-0000003C  I*4  EMB$L_SP_CMDREF                      3-00000020  I*4  EMB$L_SP_IOSB1
  3-00000024  I*4  EMB$L_SP_IOSB2                       3-00000018  I*4  EMB$L_SP_MEDIA
  3-0000002C  I*4  EMB$L_SP_OPCNT                       3-00000034  I*4  EMB$L_SP_OWNUIC
  3-0000001C  I*4  EMB$L_SP_RQPID                       3-00000041  CHAR EMB$T_SP_NAME
  3-00000004  I*2  EMB$W_HD_ENTRY                       3-0000000E  I*2  EMB$W_HD_ERRSEQ
  3-00000012  I*2  EMB$W_SP_BOFF                        3-00000030  I*2  EMB$W_SP_ERRCNT
  3-00000028  I*2  EMB$W_SP_FUNC                        3-00000032  I*2  EMB$W_SP_STS
  3-0000002A  I*2  EMB$W_SP_UNIT                        4-0000001E  L*1  END_VALUE
  4-0000001D  L*1  EOF_FLAG                             4-00000004  L*4  FORMS
  4-0000000C  L*1  LINES                                4-00000027  I*4  LSTLUN
 AP-00000004@ L*1  LUN                                  4-0000001F  I*4  MAILBOX_CHANNEL
 AP-00000010@ CHAR OPTION                               4-0000002B  CHAR OPTIONS
  4-00000008  L*4  PRINTER                              4-00000000  I*4  RECCNT
 AP-00000008@ I*4  RECORD_LENGTH                       AP-0000000C@ I*4  RECORD_NUMBER
```

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  4-00000023  I*4  RECORD_SIZE                         4-00000019  L*1  VALID_CLASS
  4-0000001A  L*1  VALID_CPU                           4-0000001B  L*1  VALID_ENTRY
  4-0000001C  L*1  VALID_TYPE                          2-00000000  I*4  VOLUME_MOUNT_FLAG
  4-00000018  L*1  VOLUME_OUTPUT


ARRAYS

    Address  Type  Name                                    Bytes  Dimensions

  3-00000000  L*1  EMB                                        512  (0:511)
  3-00000006  I*4  EMB$Q_HD_TIME                                8  (2)
  2-00000000  L*1  MOUNT_FLAG_AND_LABEL_ARRAY                  16  (16)


LABELS

    Address   Label

  0-000000B7  5


FUNCTIONS AND SUBROUTINES REFERENCED

  Type  Name                               Type  Name                               Type  Name

        DHEAD2                                   DISK_TAPE_DRIVERS_MSCP_DQ                DISK_TAPE_DRIVERS_MSCP_Q
        DISK_TAPE_DRVR_MSCP_DISPATCHER           ERLLOGSTS                                GET_CURRENT_LABEL
        HEADER                                   INTERVENE_DECREMENT                      LOGGER
        PUDRIVER_MSCP_DISPATCHER
        Subroutine ERLLOGSTS (lun)

        include 'src$:msghdr.for /nolist'
        include 'src$:embspdef.for /nolist'
        Include 'src$:syecom.for /nolist'


        byte            lun

        integer*4       compress4

C
C Decode/output the entry header.
C
        Call FRCTOF (lstlun)
        Call HEADER (lstlun)
        Call LOGGER (lstlun,'ERL$LOGSTATUS ENTRY')
        Call DHEAD2 (lstlun,'I/O',emb$b_sp_namlng,emb$t_sp_name,emb$w_sp_unit)



        Entry ERLLOGSTS2 (lun)

C
C Call the applicable routines to decode/output the software status
C entry for an mscp disk/tape device.
C
        Call LINCHK (lstlun,1)
        write(lstlun,10)
10      format(' ',:)

        Call MSLG$$L_CMD_REF (lstlun,emb$l_sp_cmdref)
        Call ORB$L_OWNER (lstlun,emb$l_sp_ownuic)
        Call UCB$L_CHAR (lstlun,emb$l_sp_char)

        Call UCB$L_OPCNT (lstlun,emb$l_sp_opcnt)
        Call UCB$W_ERRCNT (lstlun,emb$w_sp_errcnt)
        Call UCB$W_STS (lstlun,emb$w_sp_sts)

        Call LINCHK (lstlun,1)
        write(lstlun,10)

        Call CDRP$L_MEDIA (lstlun,emb$l_sp_media)

        if (emb$b_sp_class .eq. 1) then                 ! Disk qio func decode
        Call DUDRIVER_QIO (lstlun,emb$w_sp_func)

        Else if (emb$b_sp_class .EQ. 2) then            ! Tape qio func decode
        Call TUDRIVER_QIO (lstlun,emb$w_sp_func)

        else
        Call CDRP$W_FUNC (lstlun,emb$w_sp_func,'QIO FUNCTION')
        endif
```

```
                Call CDRP$L_BCNT (lstlun,emb$l_sp_bcnt)
                Call CDRP$W_BOFF (lstlun,emb$w_sp_boff)
                Call CDRP$L_PID (lstlun,emb$l_sp_rqpid)
                Call CDRP$Q_IOSB (lstlun,emb$t_sp_iosb1)

                return

                end



PROGRAM SECTIONS

    Name                                         Bytes   Attributes

  0 $CODE                                          265   PIC CON REL LCL   SHR   EXE   RD NOWRT LONG
  1 $PDATA                                          46   PIC CON REL LCL   SHR NOEXE   RD NOWRT LONG
  2 $LOCAL                                         252   PIC CON REL LCL NOSHR NOEXE   RD   WRT LONG
  3 EMB                                            512   PIC OVR REL GBL   SHR NOEXE   RD   WRT LONG
  4 SYECOM                                          44   PIC OVR REL GBL   SHR NOEXE   RD   WRT LONG

    Total Space Allocated                         1119

ENTRY POINTS

    Address   Type  Name                Address   Type  Name

  0-00000000        ERLLOGSTS         0-0000002B        ERLLOGSTS2

VARIABLES

    Address   Type  Name                                  Address   Type  Name

  2-00000000  I*4   COMPRESS4                           4-00000012  L*1   CP_11750
  4-00000011  L*1   CP_11780                            4-00000013  L*1   CP_117ZZ
  4-00000014  L*4   CRYPTK_FLAG                         4-0000000D  I*4   DEV_CHAR
  3-00000010  L*1   EMB$B_SP_CLASS                      3-00000040  L*1   EMB$B_SP_NAMLNG
  3-00000011  L*1   EMB$B_SP_TYPE                       3-00000000  I*4   EMB$L_HD_SID
  3-00000014  I*4   EMB$L_SP_BCNT                       3-00000038  I*4   EMB$L_SP_CHAR
  3-0000003C  I*4   EMB$L_SP_CMDREF                     3-00000020  I*4   EMB$L_SP_IOSB1
  3-00000024  I*4   EMB$L_SP_IOSB2                      3-00000018  I*4   EMB$L_SP_MEDIA
  3-0000002C  I*4   EMB$L_SP_OPCNT                      3-00000034  I*4   EMB$L_SP_OWNUIC
  3-0000001C  I*4   EMB$L_SP_RQPID                      3-00000041  CHAR  EMB$T_SP_NAME
  3-00000004  I*2   EMB$W_HD_ENTRY                      3-0000000E  I*2   EMB$W_HD_ERRSEQ
  3-00000012  I*2   EMB$W_SP_BOFF                       3-00000030  I*2   EMB$W_SP_ERRCNT
  3-00000028  I*2   EMB$W_SP_FUNC                       3-00000032  I*2   EMB$W_SP_STS
  3-0000002A  I*2   EMB$W_SP_UNIT                       4-0000001E  L*1   END_VALUE
  4-0000001D  L*1   EOF_FLAG                            4-00000004  L*4   FORMS
  4-0000000C  L*1   LINES                               4-00000027  I*4   LSTLUN
 AP-00000004@ L*1   LUN                                 4-0000001F  I*4   MAILBOX_CHANNEL
  4-0000002B  CHAR  OPTIONS                             4-00000008  L*4   PRINTER
  4-00000000  I*4   RECCNT                              4-00000023  I*4   RECORD_SIZE
  4-00000019  L*1   VALID_CLASS                         4-0000001A  L*1   VALID_CPU
  4-0000001B  L*1   VALID_ENTRY                         4-0000001C  L*1   VALID_TYPE
  4-00000018  L*1  VOLUME_OUTPUT

ARRAYS

    Address   Type  Name                      Bytes  Dimensions

  3-00000000  L*1   EMB                         512  (0:511)
  3-00000006  I*4   EMB$Q_HD_TIME                 8  (2)

LABELS

    Address   Label

  1-00000029  10'

FUNCTIONS AND SUBROUTINES REFERENCED

  Type  Name                                    Type  Name                                    Type  Name

        CDRP$L_BCNT                                   CDRP$L_MEDIA                                  CDRP$L_PID
        CDRP$Q_IOSB                                   CDRP$W_BOFF                                   CDRP$W_FUNC
        DHEAD2                                        DUDRIVER_QIO                                  FRCTOF
        HEADER                                        LINCHK                                        LOGGER
        MSLG$$L_CMD_REF                               ORB$L_OWNER                                   TUDRIVER_QIO
        UCB$L_CHAR                                    UCB$L_OPCNT                                   UCB$W_ERRCNT
        UCB$W_STS

COMMAND QUALIFIERS

  FORTRAN /LIS=LIS$:ERLLOGSTS/OBJ=OBJ$:ERLLOGSTS MSRC$:ERLLOGSTS

  /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
  /DEBUG=(NOSYMBOLS,TRACEBACK)
  /STANDARD=(NOSYNTAX,NOSOURCE_FORM)
  /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
  /F77  /NOG_FLOATING  /I4  /OPTIMIZE  /WARNINGS  /NOD_LINES  /NOCROSS_REFERENCE  /NOMACHINE_CODE  /CONTINUATIONS=19

COMPILATION STATISTICS

  Run Time:           4.44 seconds
  Elapsed Time:       12.43 seconds
  Page Faults:        167
  Dynamic Memory:     175 pages
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0149 AH-BT13A-SE
VAX/VMS V4.0

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